

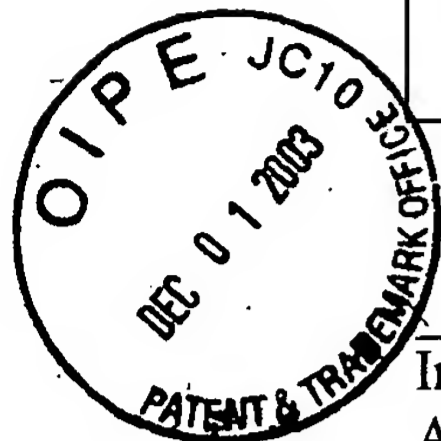
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 11/26/03

Signature: Joanne Ryan

(Joanne Ryan)

Docket No.: COTH-P02-001  
(PATENT)



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Afeyan et al.

Application No.: Not Yet Assigned

10/650591

Confirmation No.:

Filed: August 27, 2003

Art Unit: N/A

For: ADZYMES AND USES THEREOF

Examiner: Not Yet Assigned

### INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

A copy of each foreign and non-patent reference on PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

Application No.: Not Yet Assigned

Docket No.: COTH-P02-001

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. COTH-P02-001.

Dated: November 26, 2003

Respectfully submitted,

By 

John D. Quisel

Registration No.: 47,874

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned 10/650,591
				Filing Date	August 27, 2003
				First Named Inventor	Noubar B. Afeyan
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	COTH-P02-001

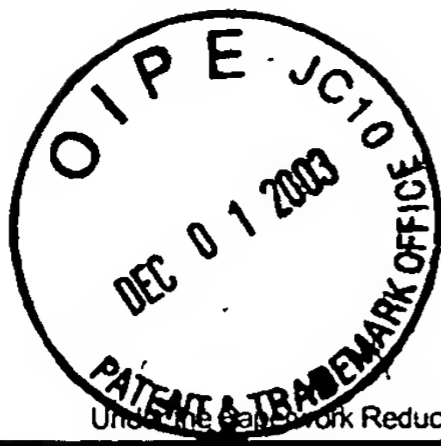
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	2002/0019039-A1	02-14-2002	Davis et al.	
	AB	4,671,958	06-09-1987	Rodwell et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	-WO 00/64485-A2	11-02-2000	Genencor International, Inc. et al.		
	BB	-WO 90/02338-A1	03-08-1990	The General Hospital Corporation		
	BC	-WO 01/42432-A2	06-14-2001	Medical Research Council		
	BD	-WO 98/16633-A1	04-23-1998	Novo Nordisk A/S		
	BE	-WO 02/055108-A1	07-18-2002	Centre National de la Recherche Scientifique et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Bayer, E.A. et al. Affinity Cleavage and Targeted Catalysis of Proteins Using the Avidin-Biotin System. Biochemistry 29, 11274-79 (1990).	
	CB	Bond, R. et al. Silicon Biotechnology: New Opportunities for Carbohydrate Science. Aust. J. Chem. 56, 7-11 (2003)	
	CC	Bradbury, R.J. Protein Based Assembly of Nanoscale Parts. (May 1, 2003) Retrieved from <a href="http://www.aeiveos.com/~bradbury/Papers/PBAoNP.html">http://www.aeiveos.com/~bradbury/Papers/PBAoNP.html</a> on 8/25/03	
	CD	Hosseini, M.W. Molecular Tectonics: From Simple Molecules to Complex Molecular Networks. Universite Louis Pasteur, Strasbourg, France	
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	CF	Davis, B.G. et al. Controlled Site-Selective Glycosylation of Proteins by a Combined Site-Directed Mutagenesis and Chemical Modification Approach. J. Org. Chem. 63, 9614-15 (1998)	
	CG	Davis, B.G. et al. Selective Protein Degradation by Ligand-Targeted Enzymes: Towards the Creation of Catalytic Antagonists. ChemBioChem 4, 531-40 (2003)	
	CH	Freitas, Jr., R.A. Mechanoenzymes: A non-SPM-based approach to molecular	

Examiner Signature		Date Considered	
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PTO/SB/08a/b (06-03)  
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Sheet	2	of	2	Attorney Docket Number	COTH-P02-001

		mechanoassembly (February 21, 2000) Retrieved from <a href="http://www.aeiveos.com/~bradbury/Authors/Engineering/Freitas-RA/MAnSPMBAtMM.html">http://www.aeiveos.com/~bradbury/Authors/Engineering/Freitas-RA/MAnSPMBAtMM.html</a> on 8/25/03	
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	CL	Quake, S.R. et al. From Micro- to Nanofabrication with Soft Materials. Science 290, 1536-40 (November 24, 2000)	
	CM	Stupp, S.I. Self Assembly of Nanostructures and Functional Materials. Dept. of Materials Science and Engineering, Dept. of Chemistry, Feinberg Medical School, Northwestern University	
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	CP	Lim et al. BCR/ABL inhibition by an escort/phosphatase fusion protein. PNAS October 24, 2000 97(22): 12233-12238	
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	CR	Frankel et al. Diphtheria fusion protein therapy of chemoresistant malignancies. Curr Cancer Drug Targets 2(1), 19-36 (2002)	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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